BRUHAT BANGALORE MAHANAGARA PALIKE

(12)

DASARAHALLI ZONE

Name of Work :-Improvements to Road & Drain at Nisarga layout in ward No.14 Bagalagunte

			Est. Cost Rs				18.00	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. Earthwork excavation and forming in embankment by manual means in **ordinary soil** with initial lead upto 15 m. and lift of 1.5m. (when earth is taken from bank cutting or from borrow pits) including breaking of clods, spreading to required line and level, forming, and cost of all labour complete as per specifications. (Excluding watering and compaction of earth) MORTH Chapter 3. **Page No. 152/ Item No. 19.4/ PWD SR 2013-14**	Cum							
	Nisarga layout								
	Cross roads Drain		1	180.00	0.50	0.30	27.00		
	Basic Rate	61.00					**27.00**	65.88	**1779.00**
	Add Area Weightage 8%	4.88							
	Total	**65.88**							
2	Removing **B.S.Slab** of drain and stacking etc., complete Page No. 28/ Item No. 5.32/ PWD SR 2013-14	**Sqm**							
	Cross roads Drain		1	180.00	0.90		162.00		
		Consider 60% Qty					97.20		
	Basic Rate	46.40					**97.20**	50.11	**4871.00**
	Add Area Weightage 8%	3.71							
	Total	**50.11**							
3	KSRB 4-1.3: Providing and laying in position **plain cement concrete** of mix M7.5 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2013-14)	Cum							
			2	180.00	0.30	0.15	16.20		
	Basic Rate	3973.00					**16.20**	4211.38	**68224.00**
	Add Area Weightage 6%	238.38							
	Total	**4211.38**							
4	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix M15 with OPC cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2013-14)	Cum							
			2	180.00	0.20	0.075	5.40		

	Basic Rate	4425.00					**5.40**	4690.50	**25329.00**
	Add Area Weightage 6%	265.50							
	Total	**4690.50**							
5	Refixing stone slabs of drains and pointing in CM 1:3 etc complete Page No. 28/ Item No.5.33/ PWD SR 2013-14	**Sqm**							
		Qty Vide Iteam No 2					**97.20**		
	Basic Rate	64.85					97.20	70.04	**6808.00**
	Add Area Weightage 8%	5.19							
	Total	**70.04**							
6	Providing Granite slabs selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 thick (P. 27 I. 5.31.1) Page No. 28/ Item No. 5.31/ PWD SR 2013-14	**Sqm**							
	#REF!		1	180.00	-	0.90	**162.00**		
		Deduct Availabe Qty Vide Iteam No 2					**97.20**		
							64.80		
			1	66		1	**66.00**		
	Basic Rate	318.00					130.80	343.44	**44922.00**
	Area Weightage 8%	25.44							
	Total	**343.44**							
7	KSRB 5-14 : Providing and constructing precast **concrete solid blocks** with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size **40x20x20** cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 27/ Item No. 5.27/ PWD SR 2013-14**	Sqm							
	#REF!		2	180.00	0.40		144.00		
	Basic Rate	856.00					**144.00**	924.48	**133125.00**
	Add Area Weightage 8%	68.48							
	Total	**924.48**							
8	Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.	Sqm							
			1	116.00	0.90		104.40		
	Data Rates Approved by CE DZ						**104.40**	1600.00	**167040.00**
9	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-2. Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.152/I.19.2 PW, P & IWTD - SR 2013-14)	Cum							
	UGD Cuttings		31	5.50	0.90	0.30	**46.04**	65.88	**3033.00**
	Basic Rate	61.00							
	Add Area Weightage 8%	4.88							
	Total	**65.88**							

	Add Area Weightage 8%	4.88							
	Total	**65.88**							
10	KSRRB M400-1. **For Grading I Material** Construction of **granular sub-base** by providing cl[illegible]e graded granular sub-base Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per Specifications. A. Plant Mix Method. **Page No. 167/ Item No. 20.4.1 PWD SR 2013-14**								
	UGD Cuttings		31	5.50	0.90	0.10	**15.35**	1060.56	**16274.00**
	Basic Rate	982.00							
	Area Weightage 8%	78.56							
	Total	1060.56							
11	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications.MORTH Specification No. 406 **Page No. 170/ Item No. 20.18/ PWD SR 2013-14**	Cum							
	UGD Cuttings		31	5.50	0.90	0.20	**30.69**	1121.04	**34405.00**
	Basic Rate	1038.00							
	Area Weightage 8%	83.04							
	Total	**1121.04**							
12	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. Specification No. KRBS 500-1 MORTH Chapter 5 **Page No. 175/ Item No. 21.2/ PWD SR 2013-14**	**Sqm**			**Avg**				
	Cross roads		1	520.00	5.50		2860.0		
	Basic Rate	2.40					**2860.0**	**2.59**	**7407.00**
	Area Weightage 8%	0.19							
	Total	**2.59**							
13	KSRRB 500-7: Providing and applying tack coat on the prepared black topped surfaces at 5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all Materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 **Page No. 176/ Item No. 21.8/ PWD SR 2013-14**	**Sqm**							
	Cross roads		1	520.00	5.50		2860.00		
	Basic Rate	20.10					**2860.00**	**21.71**	**62091.00**
	Area Weightage 8%	1.61							
	Total	**21.71**							

14	RRB M500-11: Providing & Laying **ituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base/binding course including loading of aggregates with F.E. Loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materias with paver finisher to the required level and grade, rolling by power roller to achieve desired density, 50/75 mm compacted thickness with 3.3 % bitumen but excluding cost of primer/tack coat with lead upto 1 km including cost of all materials, labour, HOM of machineries complete as per specificification with 80/100n grade bitemen p-176/IN 21.11.1 /PWD SR 2013-14	**Sqm**							
			1	520.00	1.40	0.04	**29.12**	6646.32	**193541.00**
	Basic Rate	6154.00							
	Area Weightage 8%	492.32							
	Total	**6646.32**							
15	Providing and laying **semi dense bituminous concrete** 25 - 30mm compacted thickness with 5% bitumen with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled vibratory and ttandem rollers to achieve the desired compaction as per MoRTH specification clause No. 508 complete in all respects with 80 / 100 grade bitumen with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWDSR 2013-14, P.No.178, I No. 21.20.1)	**Cum**							
	Cross roads		1	520.00	5.50	0.03	**85.80**	9631.44	**826378.00**
	Basic Rate	8918.00							
	Area Weightage 8%	713.44							
	Total	**9631.44**							
16	Carriage of Mixed Materials Page No. 186 Note PWD SR 2013-14		Qty item no.14 & 15				**114.92**	52.11	**5988.00**
	1st to2ndKM	5.75							
	2nd-5th KM	16.50							
	5th -10th KM	26.00							
		48.25							
	Area Weightage 8%	3.86							
	Total	**52.11**							
17	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading **Page No. 150 Item No. 17.1 PWD SR 2013-14**	Cum							
			Qty Vide Item No. 1				**27.00**	78.24	**2112.00**
	2 x 1.28 x 4 Kmtrs	10.24							
		62.20							
	Basic Rate	**72.44**							
	Add Area Weightage 8%	5.80							
	Total	**78.24**							

	For Quality Control Report Charges1% of the Estimate Cost								18000.00
15	Miscellaneous and UnforessenCharges								1263.00
								Total	1800000.00

(Rupees. Eighteen Lakhs Only)

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2013-14
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

A/S

ಸಂ. JC(DH)AS 796/13-14 ದಿನಾಂಕ : 18/02/14

ರೂ. 18.00 Lakhs (Rupees Eighteen Lakhs only)

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಮ್ಮಿಂದಾತಿ ನೀಡಿದೆ

Page No. 149
SL. No. 798

ಪಾಲಿಕೆ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ಸಂ:ಕಾ/DD/TS/713/13-14 ದಿನಾಂಕ : 19/2/14

ರೂ. 18.00 Lakh (Rupees Eighteen Lakh only)

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಅಧೀಕ್ಷಕ ಅಭಿಯಂತರರು
ಬೃ.ಬೆಂ.ಮ.ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

19/2